

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Rapid Creek, Pennington County
02-0062-00
1992

Table 1. Population and Biomass Estimates for Rapid Creek

Site Number: 1412
Site Midpoint (Latitude, Longitude): 44.07907606, -103.25491933
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR1

Date Sampled: 10/05/1992
Site Length (m): 100
Mean Width (m): 7.5
Number of Pass: 3
Conductivity (umhos/cm):
pH:
Water Temperature (C):
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	126	163	199	127	2185	55	1630	885	48.80	2623	129.5	25.0
Brown Trout	>=200mm	111	116	123	111	1555	309	1160	630	275.91	1866	263.3	198.7
Brown Trout	All	237	270	293	247	3619	385	2700	1466	343.76	4344	192.2	106.4
Green Sunfish	All	1	1	5	1	13	0	10	5	0.18	16	95.0	15.0
Longnose Dace	All	2	2	3	2	27	0	20	11	0.13	32	83.0	5.5
Mountain Sucker	All	6	6	9	6	80	9	60	33	7.60	97	200.2	105.8
White Sucker	All	85	87	91	85	1166	303	870	472	270.89	1400	266.9	260.2

Site Number: 1510
Site Midpoint (Latitude, Longitude): 44.04659823, -103.33060046
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR2

Date Sampled: 10/08/1992
Site Length (m): 100
Mean Width (m): 10.2
Number of Pass: 3
Conductivity (umhos/cm): 240
pH:
Water Temperature (C): 8.0
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	149	166	182	150	1624	19	1660	658	17.36	2671	102.0	12.0

Brown Trout	>=200mm	7	7	8	7	68	16	70	28	14.58	113	279.0	238.4
Brown Trout	All	156	172	187	157	1683	37	1720	682	33.26	2767	110.0	22.1
Mountain Sucker	All	3	3	4	3	29	0	30	12	0.09	48	66.0	3.3
White Sucker	All	32	33	36	32	323	6	330	131	5.32	531	101.6	18.4

Site Number: 1533
Site Midpoint (Latitude, Longitude): 44.04847042, -103.34689597
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR1

Date Sampled: 10/08/1992
Site Length (m): 100
Mean Width (m): 9.3
Number of Pass: 3
Conductivity (umhos/cm): 290
pH:
Water Temperature (C): 6.0
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	117	126	136	117	1349	36	1260	546	32.02	2027	127.0	26.6
Brown Trout	>=200mm	88	89	92	88	953	158	890	386	141.17	1432	254.8	165.9
Brown Trout	All	205	213	221	205	2281	197	2130	924	175.92	3427	181.8	86.4
White Sucker	All	4	4	4	4	43	2	40	17	2.17	64	165.5	56.8

Site Number: 1656
Site Midpoint (Latitude, Longitude): 44.05452135, -103.40589571
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BR1

Date Sampled: 10/13/1992
Site Length (m): 100
Mean Width (m): 7.2
Number of Pass: 3
Conductivity (umhos/cm): 235
pH:
Water Temperature (C): 11.0
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	222	269	303	235	3726	88	2690	1509	78.43	4328	122.7	23.6
Brown Trout	>=200mm	74	75	78	74	1039	134	750	421	119.28	1207	233.2	128.6
Brown Trout	All	296	332	355	309	4598	229	3320	1862	204.61	5342	150.3	49.8

Site Number: 1833
Site Midpoint (Latitude, Longitude): 44.07611720, -103.47551527
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK0, BR1, RB0

Date Sampled: 11/13/1992 **Conductivity (umhos/cm):** 215
Site Length (m): 100
Mean Width (m): 7.8 **pH:**
Number of Pass: 3 **Water Temperature (C):** 5.0
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	10	10	12	10	129	1	100	52	0.55	161	80.4	4.8
Brook Trout	All	10	10	12	10	129	1	100	52	0.55	161	80.4	4.8
Brown Trout	<200mm	215	281	330	232	3612	46	2810	1463	40.67	4521	95.1	12.6
Brown Trout	>=200mm	50	50	51	50	643	103	500	260	91.80	805	256.7	160.0
Brown Trout	All	265	309	338	280	3972	161	3090	1609	143.33	4972	125.6	40.4
Rainbow Trout	<200mm	1	1	2	1	13	0	10	5	0.30	16	140.0	26.0
Rainbow Trout	All	1	1	2	1	13	0	10	5	0.30	16	140.0	26.0

Site Number: 1843
Site Midpoint (Latitude, Longitude): 44.07203156, -103.47488319
Survey Completed by: South Dakota Game, Fish and Parks
Stream Classification: BK2, BR1, RB0

Date Sampled: 10/06/1992 **Conductivity (umhos/cm):** 240
Site Length (m): 100
Mean Width (m): 8.5 **pH:**
Number of Pass: 3 **Water Temperature (C):** 7.0
Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	47	55	68	47	650	7	550	263	6.12	885	96.9	10.5
Brook Trout	>=200mm	11	11	11	11	130	15	110	53	13.42	177	223.9	115.6
Brook Trout	All	58	63	71	58	745	23	630	302	20.26	1014	121.0	30.5
Brown Trout	<200mm	101	153	214	101	1809	41	1530	732	36.32	2462	113.6	22.5
Brown Trout	>=200mm	53	54	57	53	638	105	540	259	93.84	869	250.6	164.7
Brown Trout	All	154	188	217	159	2222	159	1880	900	141.71	3025	160.7	71.4

Rainbow Trout	<200mm	1	1	1	1	12	0	10	5	0.18	16	122.0	17.0
Rainbow Trout	All	1	1	1	1	12	0	10	5	0.18	16	122.0	17.0

Site Number: 1853

Site Midpoint (Latitude, Longitude): 44.07655505, -103.48401117

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1, RB2

Date Sampled: 10/06/1992

Site Length (m): 100

Mean Width (m): 9.6

Number of Pass: 3

Conductivity (umhos/cm): 240

pH:

Water Temperature (C): 6.0

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	33	47	75	33	488	15	470	197	13.51	756	124.8	31.0
Brown Trout	>=200mm	72	73	76	72	757	405	730	307	361.41	1175	342.4	534.5
Brown Trout	All	105	112	121	105	1162	437	1120	471	390.33	1802	274.0	376.3
Rainbow Trout	<200mm	15	19	31	15	197	7	190	80	6.45	306	147.2	36.7
Rainbow Trout	>=200mm	1	1	1	1	10	7	10	4	6.65	16	385.0	718.0
Rainbow Trout	All	16	19	28	16	197	16	190	80	13.95	306	162.1	79.3

Site Number: 1930

Site Midpoint (Latitude, Longitude): 44.08581700, -103.55549131

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1, RB2

Date Sampled: 09/24/1992

Site Length (m): 100

Mean Width (m): 6.3

Number of Pass: 3

Conductivity (umhos/cm): 230

pH:

Water Temperature (C): 12.0

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	74	81	91	74	1286	30	810	521	26.40	1303	119.7	23.0
Brown Trout	>=200mm	26	26	27	26	413	52	260	167	46.19	418	231.8	125.3
Brown Trout	All	100	105	112	100	1667	83	1050	675	73.83	1689	148.9	49.6
Rainbow Trout	<200mm	35	48	73	35	762	5	480	309	4.06	772	83.2	6.0

Rainbow Trout	>=200mm	2	2	3	2	32	5	20	13	4.39	32	248.5	155.0
Rainbow Trout	All	37	50	74	37	794	11	500	321	9.94	805	92.2	14.0

Site Number: 1936

Site Midpoint (Latitude, Longitude): 44.08412803, -103.56026979

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BK0, BR1, RB2

Date Sampled: 09/24/1992

Site Length (m): 100

Mean Width (m): 8.7

Number of Pass: 3

Conductivity (umhos/cm):

pH:

Water Temperature (C):

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	1	1	2	1	11	1	10	5	0.51	16	177.0	50.0
Brook Trout	All	1	1	2	1	11	1	10	5	0.51	16	177.0	50.0
Brown Trout	<200mm	49	67	96	49	767	21	670	310	19.11	1078	127.3	27.9
Brown Trout	>=200mm	59	62	68	59	709	85	620	287	76.32	998	232.7	120.5
Brown Trout	All	108	125	143	108	1430	112	1250	579	100.23	2011	184.9	78.5
Cutthroat Trout	>=200mm	2	2	2	2	23	3	20	9	2.47	32	244.5	121.0
Cutthroat Trout	All	2	2	2	2	23	3	20	9	2.47	32	244.5	121.0
Rainbow Trout	<200mm	14	36	150	14	412	3	360	167	2.97	579	91.4	8.1
Rainbow Trout	>=200mm	2	2	4	2	23	3	20	9	2.76	32	248.0	135.0
Rainbow Trout	All	16	46	207	16	526	13	460	213	11.25	740	110.9	23.9
Rock Bass	All	21	20	27	21	229	12	200	93	10.89	322	138.4	53.3
Splake Trout	>=200mm	1	1	2	1	11	1	10	5	0.69	16	219.0	68.0
Splake Trout	All	1	1	2	1	11	1	10	5	0.69	16	219.0	68.0
White Sucker	All	3	3	4	3	34	3	30	14	2.33	48	188.0	76.0

Site Number: 1952

Site Midpoint (Latitude, Longitude): 44.08822830, -103.57398811

Date Sampled: 09/25/1992

Site Length (m): 100

Conductivity (umhos/cm):

pH:

275

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 6.3

Water Temperature (C): 12.0

Stream Classification: BR1

Number of Pass: 3

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	72	74	78	72	1167	28	740	473	25.11	1191	120.7	24.1
Brown Trout	>=200mm	36	36	36	36	568	85	360	230	75.95	579	242.6	149.8
Brown Trout	All	108	109	112	108	1719	113	1090	696	101.31	1754	161.3	66.0
Rock Bass	All	8	8	9	8	126	5	80	51	4.89	129	136.4	43.4
White Sucker	All	1	1	1	1	16	2	10	6	1.58	16	219.0	112.0

Site Number: 2007

Date Sampled: 09/25/1992

Conductivity (umhos/cm):

Site Midpoint (Latitude, Longitude): 44.08387011, -103.60810831

Site Length (m): 100

pH:

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 8.9

Water Temperature (C):

Stream Classification: BR1

Number of Pass: 3

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	174	194	211	177	2185	54	1940	885	48.36	3121	123.2	24.8
Brown Trout	>=200mm	77	78	81	77	878	122	780	356	109.36	1255	246.3	139.4
Brown Trout	All	251	268	281	255	3018	181	2680	1222	161.59	4312	161.0	60.0
Cutthroat Trout	>=200mm	1	1	1	1	11	1	10	5	1.03	16	238.0	102.0
Cutthroat Trout	All	1	1	1	1	11	1	10	5	1.03	16	238.0	102.0
Splake Trout	<200mm	1	1	1	1	11	0	10	5	0.38	16	184.0	38.0
Splake Trout	All	1	1	1	1	11	0	10	5	0.38	16	184.0	38.0

Site Number: 2100

Date Sampled: 09/26/1992

Conductivity (umhos/cm):

280

Site Midpoint (Latitude, Longitude): 44.10587489, -103.65265070

Site Length (m): 100

pH:

Survey Completed by: South Dakota Game, Fish and Parks

Stream Classification: BR1

Mean Width (m): 6.3

Water Temperature (C): 10.0

Number of Pass: 3

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	31	34	41	31	540	16	340	219	13.87	547	130.9	28.8
Brown Trout	>=200mm	20	25	38	20	397	49	250	161	43.37	402	230.1	122.4
Brown Trout	All	51	60	74	51	952	62	600	386	55.69	965	169.8	65.5
Mountain Sucker	All	10	10	12	10	159	1	100	64	1.15	161	89.1	8.1
Unidentified Cyprinid	All	1	1	1	1	16	0	10	6	0.03	16	76.0	2.0
White Sucker	All	18	20	26	18	317	3	200	129	2.93	322	101.1	10.3

Site Number: 2133

Date Sampled: 09/26/1992

Conductivity (umhos/cm): 310

Site Midpoint (Latitude, Longitude): 44.11041555, -103.67253220

Site Length (m): 100

pH:

Survey Completed by: South Dakota Game, Fish and Parks

Mean Width (m): 5.1

Water Temperature (C): 15.0

Stream Classification: BR1

Number of Pass: 3

Voltage:

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brown Trout	<200mm	46	46	48	46	902	30	460	365	26.42	740	140.1	32.8
Brown Trout	>=200mm	27	27	28	27	529	69	270	214	61.92	434	237.3	131.0
Brown Trout	All	73	74	77	73	1451	100	740	588	89.55	1191	176.1	69.1
Creek Chub	All	7	8	14	7	157	1	80	64	0.96	129	86.0	6.9
Longnose Dace	All	11	23	82	11	451	1	230	183	1.04	370	62.2	2.6
Mountain Sucker	All	3	3	3	3	59	1	30	24	1.12	48	125.3	21.3
White Sucker	All	20	20	21	20	392	25	200	159	22.04	322	160.1	63.0

Stream sites are classified based on the estimates of adult trout over eight inches that exist within the site. Estimates are derived from 3-pass backpack electrofishing surveys at 100-meter sites within streams. While all fish in the site are collected and measured, only trout species are used for classifications. Sites are numbered in accordance for the distance (m) from the stream confluence of a higher order stream/river.

Based on number of trout in excess of eight inches	
Class BR1	Number of wild Brown Trout exceeds 150 per acre
Class BR2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BR3	Number of wild Brown Trout is less than 25 per acre
Class BK1	Number of wild Brook Trout exceeds 150 per acre
Class BK2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BK3	Number of wild Brook Trout is less than 25 per acre
Class RB1	Number of wild Rainbow Trout exceeds 25 per acre
Class RB2	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Rapid Creek, 1982-1992

Site 1412

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 06, 1988	195	172-218	
	Oct 10, 1990	87	76-102	
	Oct 22, 1991	176	74-403	
	Oct 05, 1992	163	127-199	
Brown Trout >=200mm	Oct 06, 1988	140	136-146	BR3
	Oct 10, 1990	176	175-179	BR3
	Oct 22, 1991	123	108-140	BR3

Brown Trout >=200mm	Oct 05, 1992	116	111-123	BR1
Green Sunfish	Oct 10, 1990	1	1-1	
	Oct 05, 1992	1	1-5	
Longnose Dace	Oct 22, 1991	5	6-8	
	Oct 05, 1992	2	2-3	
Mountain Sucker	Oct 06, 1988	19	18-23	
	Oct 22, 1991	6	6-8	
	Oct 05, 1992	6	6-9	
Rainbow Trout <200mm	Oct 06, 1988	2	2-4	
Rock Bass	Oct 10, 1990	3	3-3	
White Sucker	Oct 06, 1988	36	36-37	
	Oct 22, 1991	73	61-91	
	Oct 05, 1992	87	85-91	

Site 1510

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 08, 1992	166	150-182	

Brown Trout >=200mm	Oct 08, 1992	7	7-8	BR2
Mountain Sucker	Oct 08, 1992	3	3-4	
White Sucker	Oct 08, 1992	33	32-36	

Site 1533

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 08, 1992	126	117-136	
Brown Trout >=200mm	Oct 08, 1992	89	88-92	BR1
White Sucker	Oct 08, 1992	4	4-4	

Site 1656

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 10, 1990	367	343-391	
	Mar 25, 1991	264	239-289	
	Oct 17, 1991	237	201-273	
	Oct 13, 1992	269	235-303	
Brown Trout >=200mm	Sep 10, 1990	74	73-77	BR3
	Mar 25, 1991	70	68-74	BR3
	Oct 17, 1991	89	85-96	BR3

Brown Trout >=200mm

Oct 13, 1992

75

74-78

BR1

Site 1833

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 07, 1988	8	7-14	
	Nov 13, 1992	10	10-12	
Brown Trout <200mm	Oct 07, 1988	116	86-155	
	Aug 03, 1990	90	85-98	
	Oct 17, 1991	174	98-286	
	Nov 13, 1992	281	232-330	
Brown Trout >=200mm	Oct 07, 1988	59	56-65	BR3
	Aug 03, 1990	40	39-43	BR3
	Oct 17, 1991	43	41-48	BR3
	Nov 13, 1992	50	50-51	BR1
Rainbow Trout <200mm	Nov 13, 1992	1	1-2	

Site 1843

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Oct 07, 1988	12	12-12	

Brook Trout <200mm	Aug 03, 1990	20	14-41	
	Oct 06, 1992	55	47-68	
Brook Trout >=200mm	Oct 07, 1988	9	9-9	BK3
	Aug 03, 1990	2	2-2	BK3
	Oct 06, 1992	11	11-11	BK2
Brown Trout <200mm	Oct 07, 1988	28	28-28	
	Aug 03, 1990	23	22-27	
	Sep 30, 1991	141	114-171	
	Oct 06, 1992	153	101-214	
Brown Trout >=200mm	Oct 07, 1988	28	28-28	BR3
	Aug 03, 1990	24	17-46	BR3
	Sep 30, 1991	27	27-28	BR3
	Oct 06, 1992	54	53-57	BR1
Rainbow Trout <200mm	Oct 06, 1992	1	1-1	

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Oct 06, 1992	47	33-75	
Brown Trout >=200mm	Oct 06, 1992	73	72-76	BR1
Rainbow Trout <200mm	Oct 06, 1992	19	15-31	
Rainbow Trout >=200mm	Oct 06, 1992	1	1-1	RB2

Site 1930

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 24, 1992	81	74-91	
Brown Trout >=200mm	Sep 24, 1992	26	26-27	BR1
Rainbow Trout <200mm	Sep 24, 1992	48	35-73	
Rainbow Trout >=200mm	Sep 24, 1992	2	2-3	RB2

Site 1936

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 24, 1992	1	1-2	
Brown Trout <200mm	Sep 30, 1991	141	114-171	
	Sep 24, 1992	67	49-96	
Brown Trout >=200mm	Sep 30, 1991	27	27-28	BR3

Brown Trout >=200mm	Sep 24, 1992	62	59-68	BR1
Cutthroat Trout >=200mm	Sep 24, 1992	2	2-2	
Rainbow Trout <200mm	Sep 24, 1992	36	14-150	
Rainbow Trout >=200mm	Sep 24, 1992	2	2-4	RB2
Rock Bass	Sep 24, 1992	20	21-27	
Splake Trout <200mm	Sep 30, 1991	9	9-10	
Splake Trout >=200mm	Sep 24, 1992	1	1-2	
White Sucker	Sep 24, 1992	3	3-4	

Site 1952

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Aug 02, 1990	65	65-65	
	Sep 30, 1991	92	65-134	
	Sep 25, 1992	74	72-78	
Brown Trout >=200mm	Aug 02, 1990	11	11-11	BR3
	Sep 30, 1991	21	21-22	BR3
	Sep 25, 1992	36	36-36	BR1

Cutthroat Trout >=200mm	Aug 02, 1990	1	1-1	
	Sep 30, 1991	1	1-1	
Rainbow Trout <200mm	Sep 30, 1991	1	1-4	
Rainbow Trout >=200mm	Sep 30, 1991	1	1-1	RB2
Rock Bass	Sep 25, 1992	8	8-9	
Splake Trout <200mm	Sep 30, 1991	1	1-4	
White Sucker	Sep 25, 1992	1	1-1	

Site 2007

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Aug 02, 1990	180	150-210	
	Oct 11, 1991	164	119-214	
	Sep 25, 1992	194	177-211	
Brown Trout >=200mm	Aug 02, 1990	37	37-39	BR3
	Oct 11, 1991	60	48-81	BR3
	Sep 25, 1992	78	77-81	BR1
Cutthroat Trout <200mm	Aug 02, 1990	1	1-4	

Cutthroat Trout >=200mm	Aug 02, 1990	3	3-3
	Sep 25, 1992	1	1-1
Splake Trout <200mm	Sep 25, 1992	1	1-1

Site 2100

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 26, 1992	34	31-41	
Brown Trout >=200mm	Sep 26, 1992	25	20-38	BR1
Mountain Sucker	Sep 26, 1992	10	10-12	
Unidentified Cyprinid	Sep 26, 1992	1	1-1	
White Sucker	Sep 26, 1992	20	18-26	

Site 2133

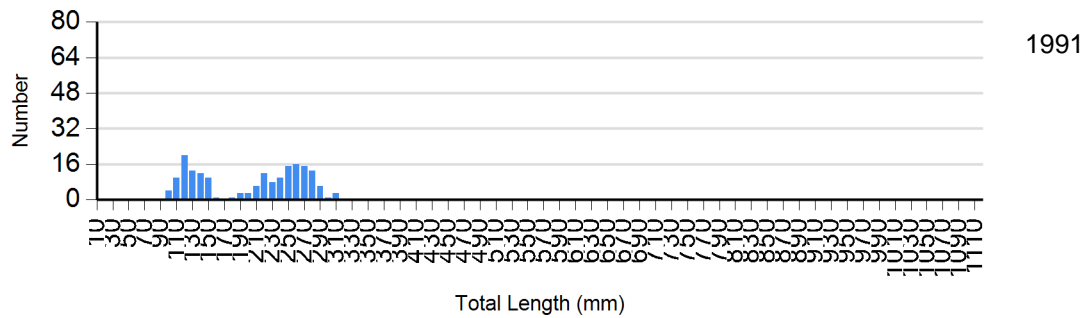
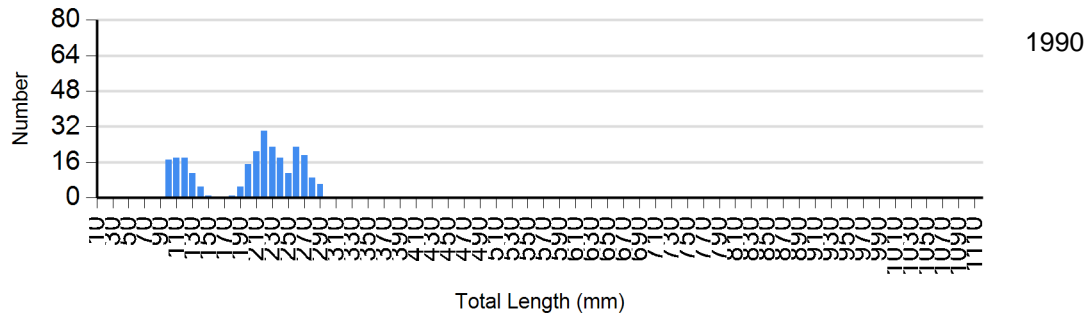
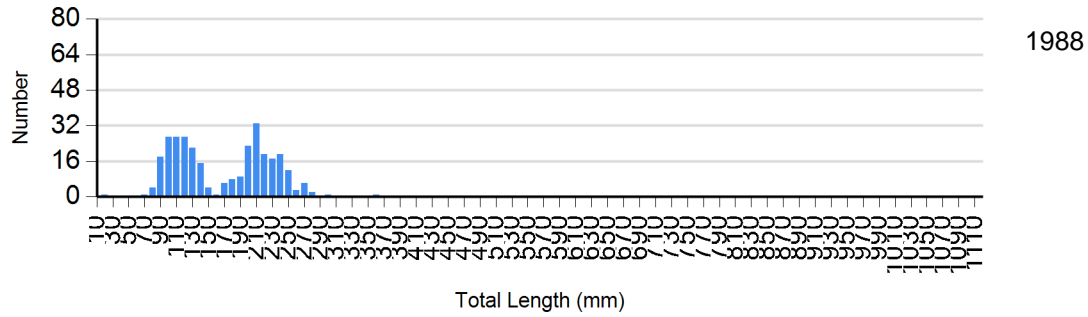
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	Sep 26, 1992	46	46-48	
Brown Trout >=200mm	Sep 26, 1992	27	27-28	BR1
Creek Chub	Sep 26, 1992	8	7-14	
Longnose Dace	Sep 26, 1992	23	11-82	
Mountain Sucker	Sep 26, 1992	3	3-3	

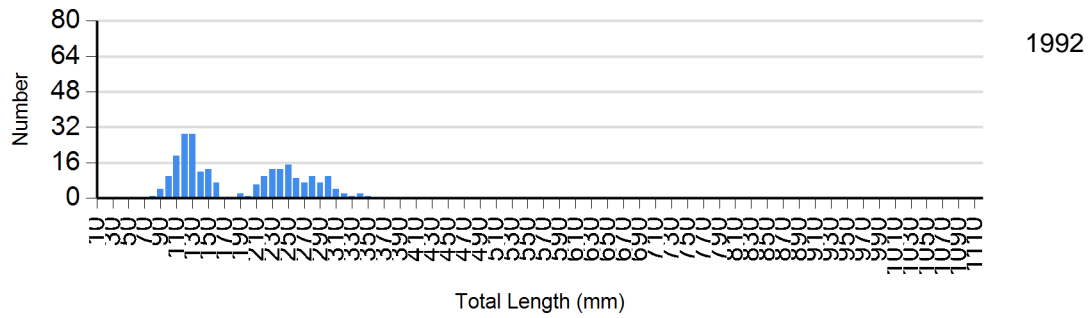
Length Frequency Distribution

Length frequency histogram of species sampled by year.

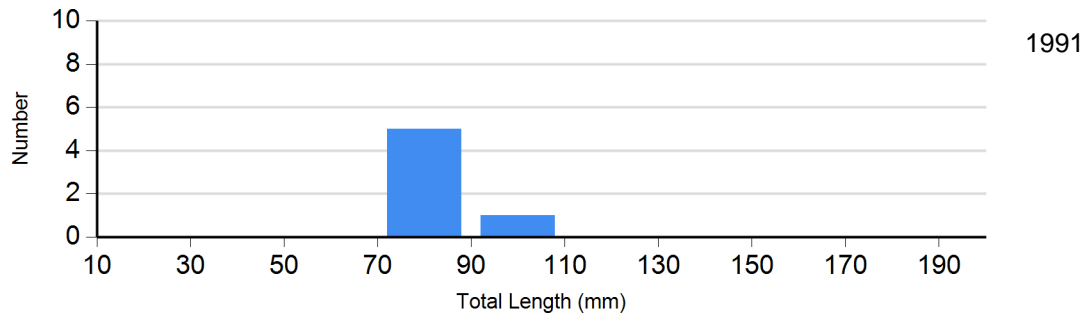
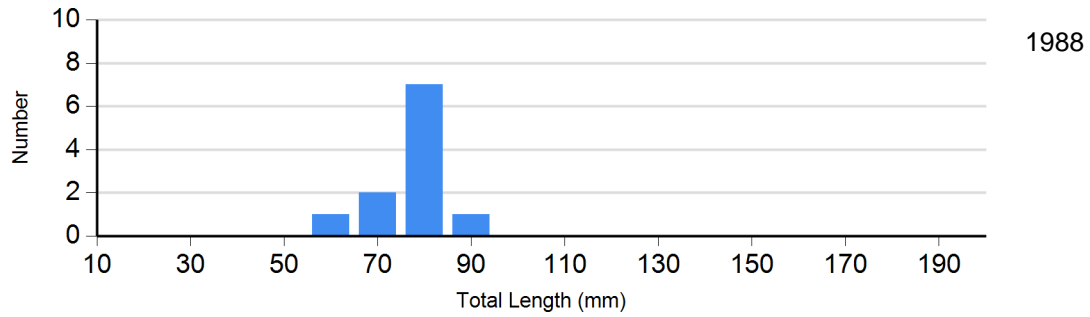
Site: 1412

Species: Brown Trout

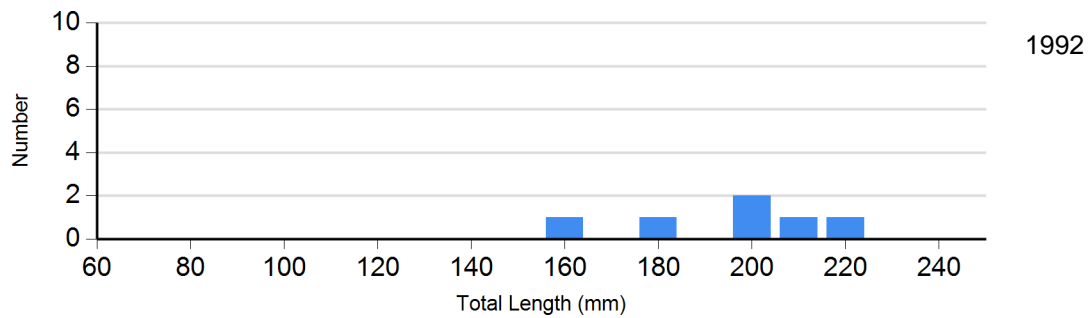
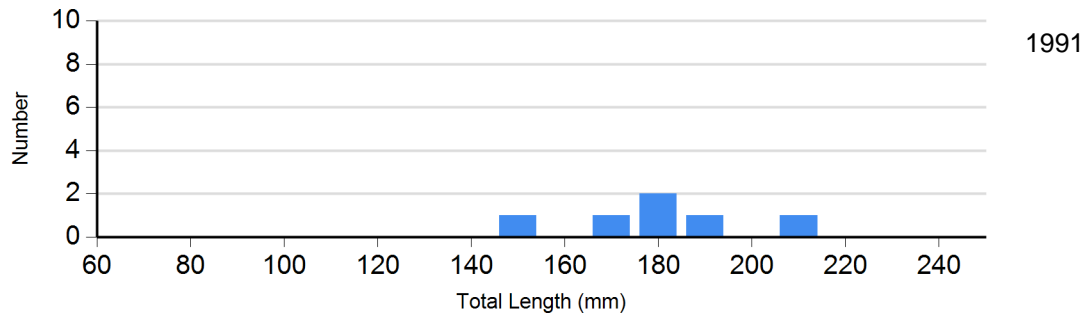
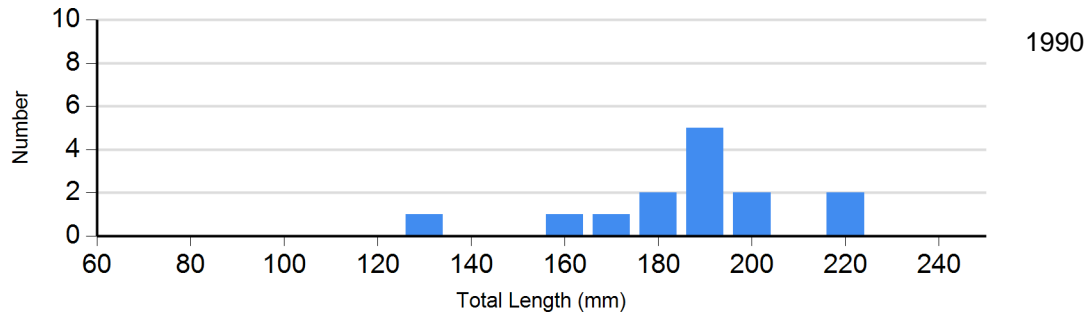
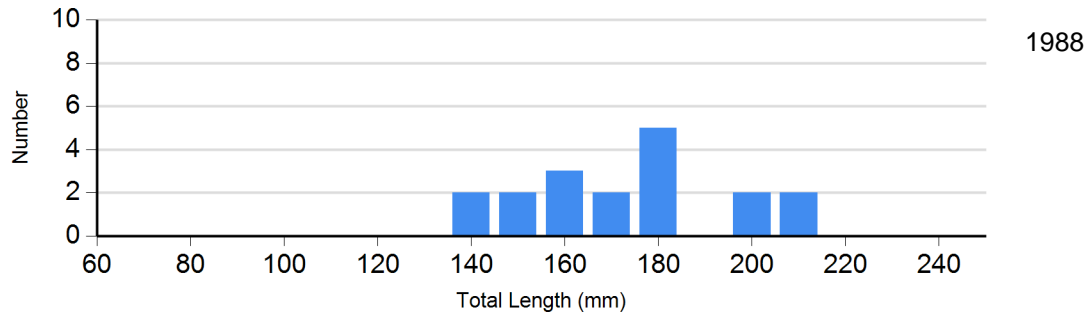




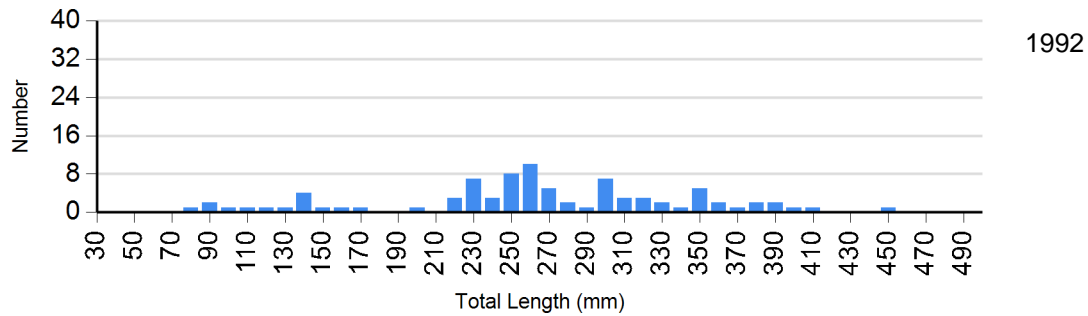
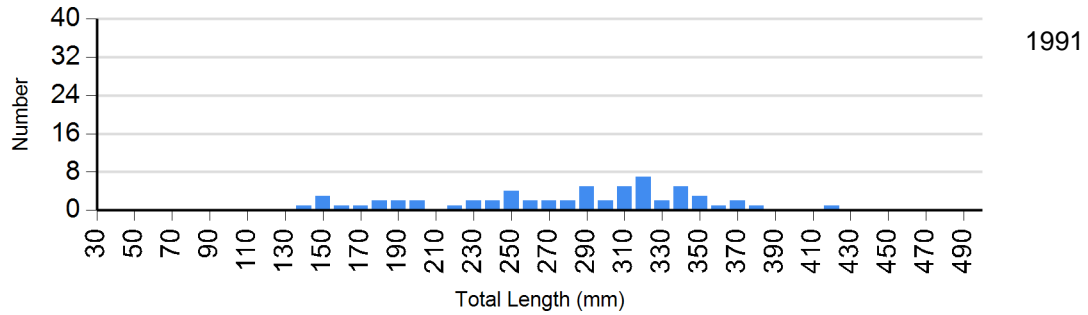
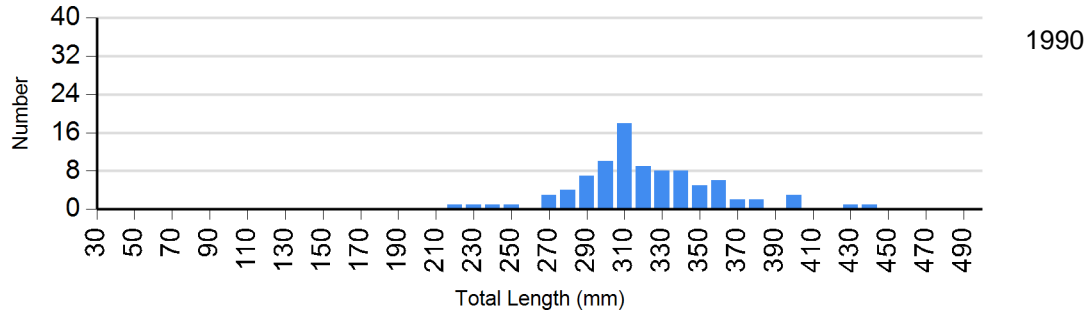
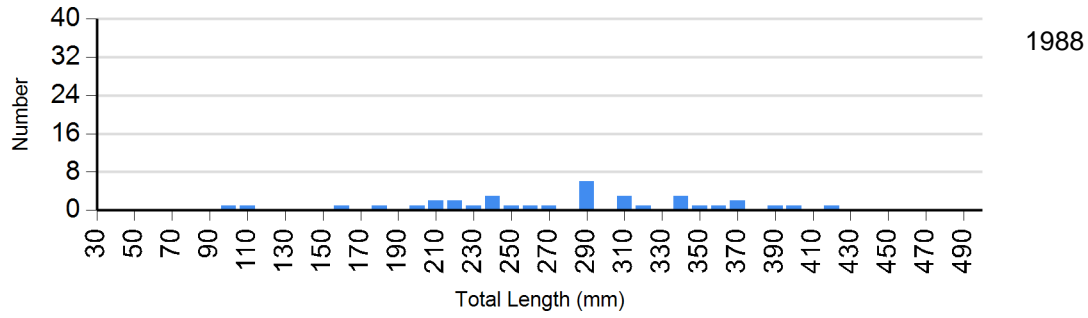
Site: 1412
Species: Longnose Dace



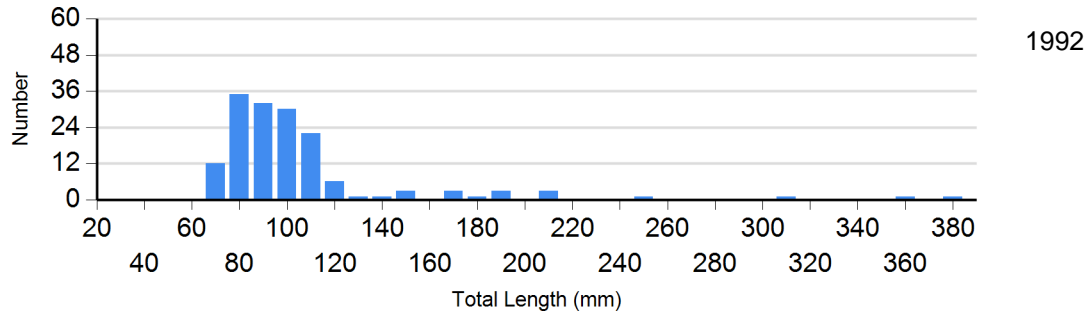
Site: 1412
Species: Mountain Sucker



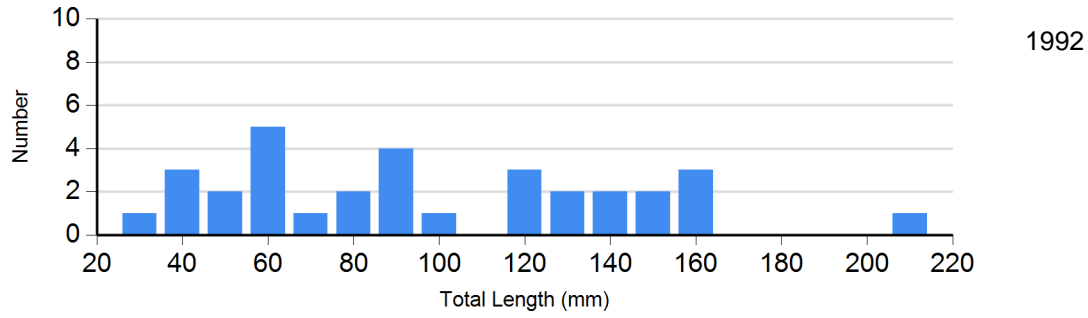
Site: 1412
Species: White Sucker



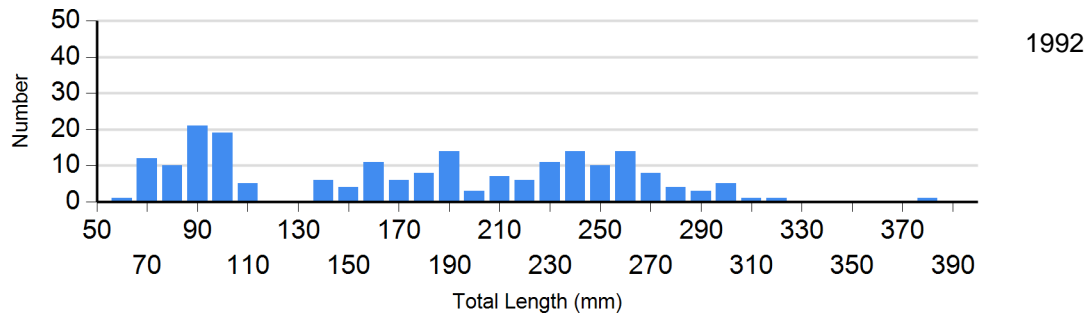
Site: 1510
Species: Brown Trout



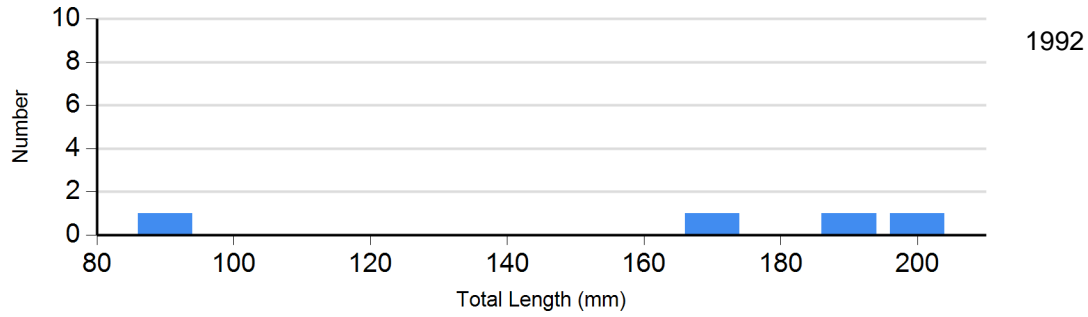
Site: 1510
Species: White Sucker



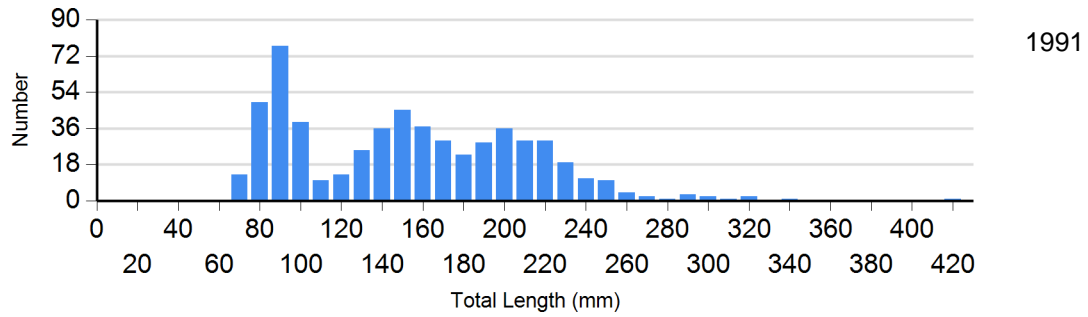
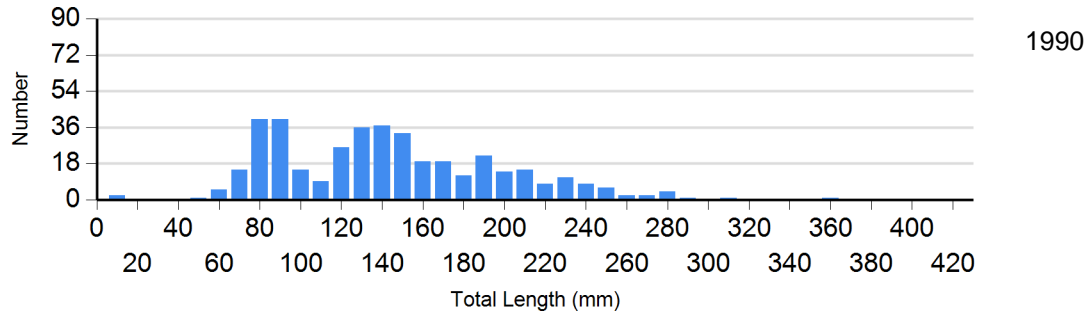
Site: 1533
Species: Brown Trout

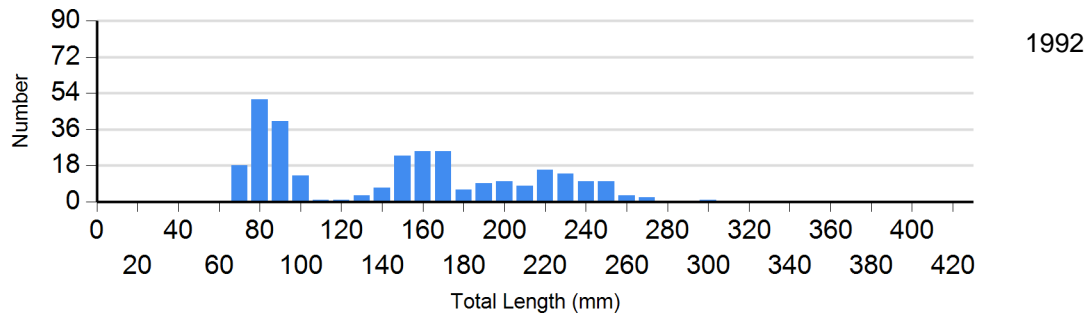


Site: 1533
Species: White Sucker

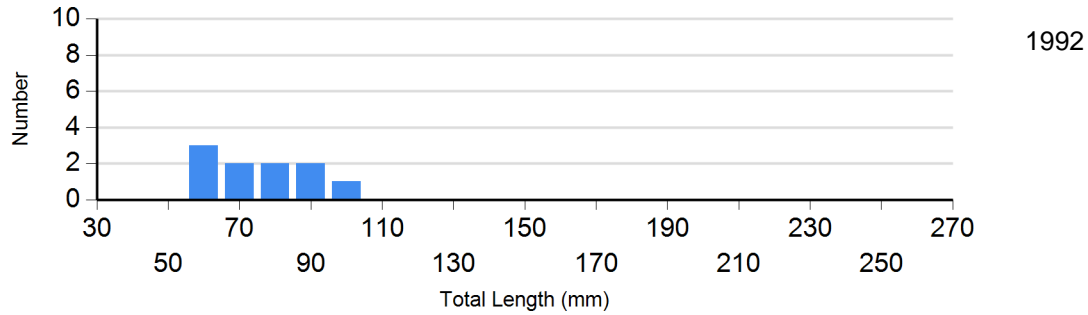
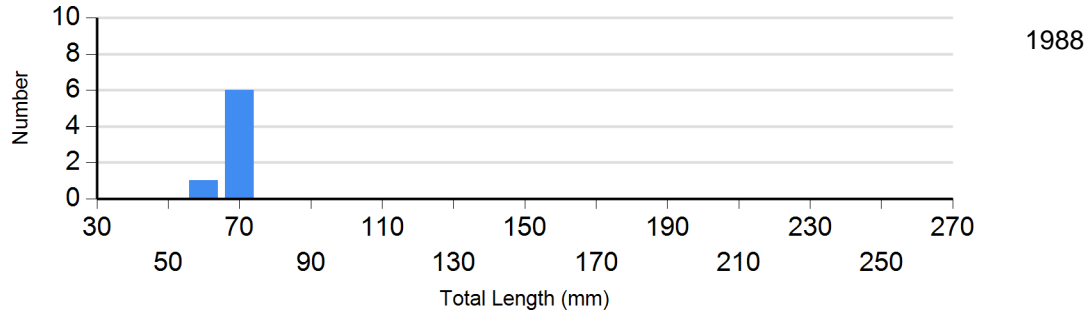


Site: 1656
Species: Brown Trout





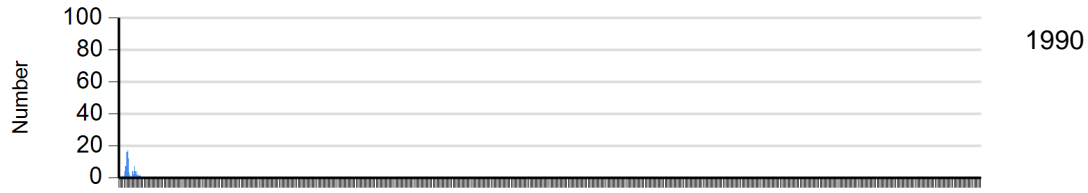
Site: 1833
Species: Brook Trout



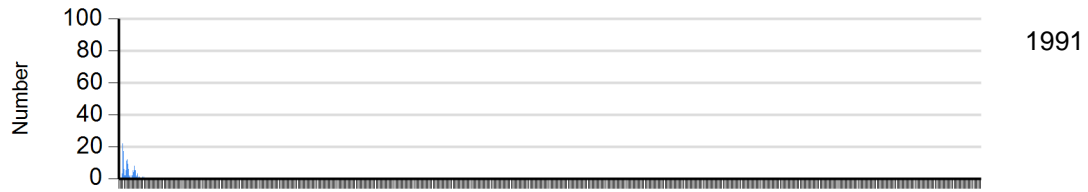
Site: 1833
Species: Brown Trout



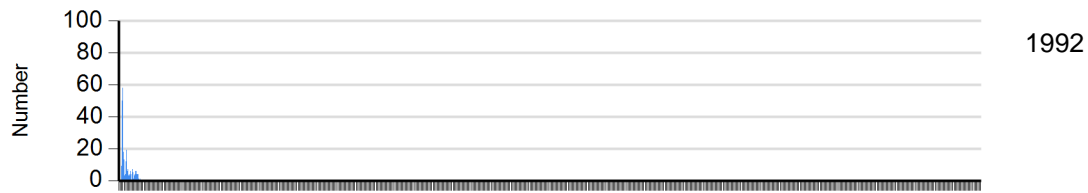
Total Length (mm)



Total Length (mm)

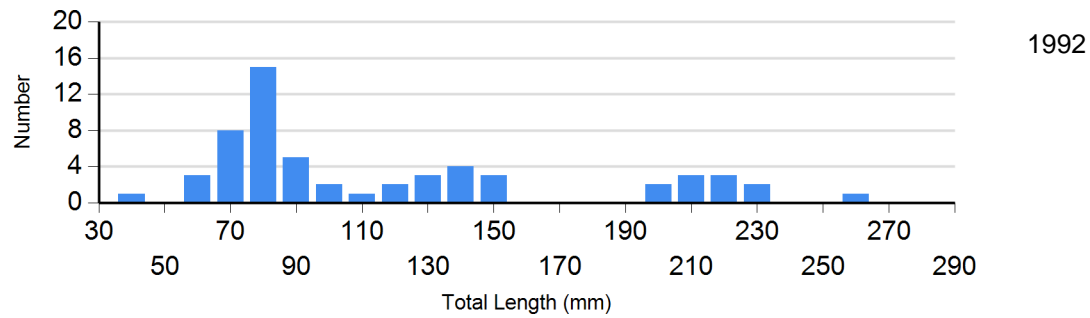
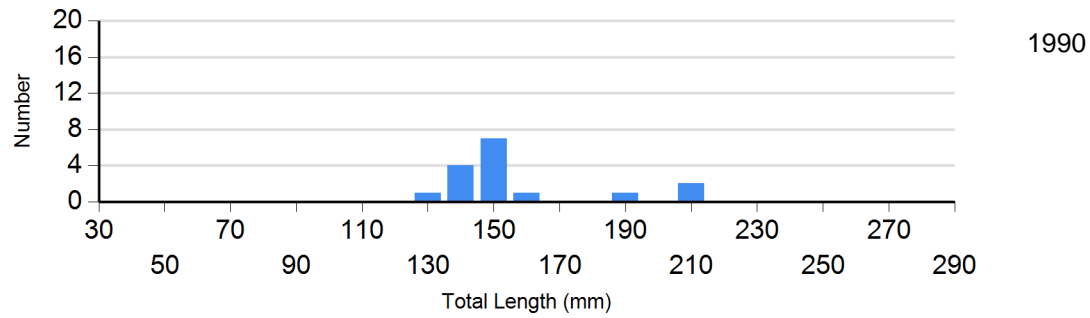
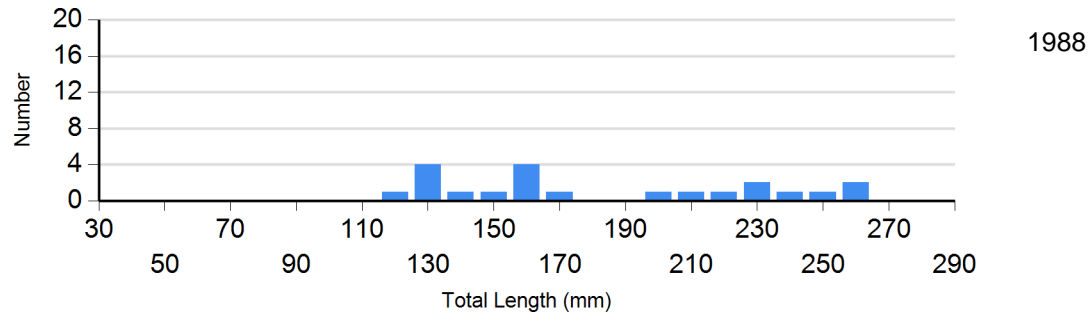


Total Length (mm)

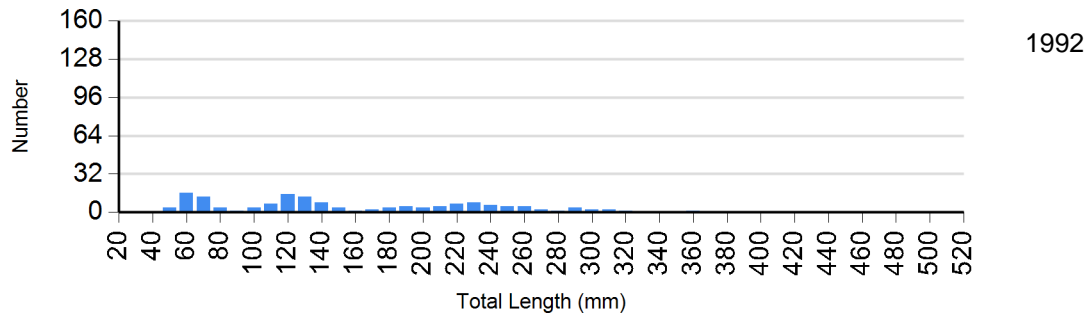
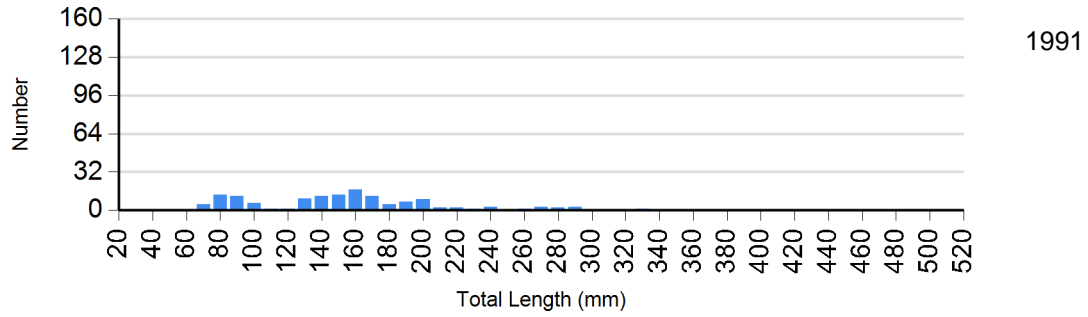
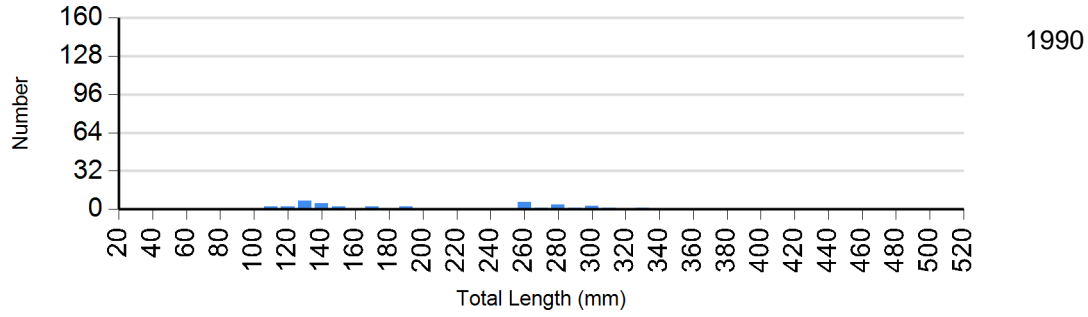
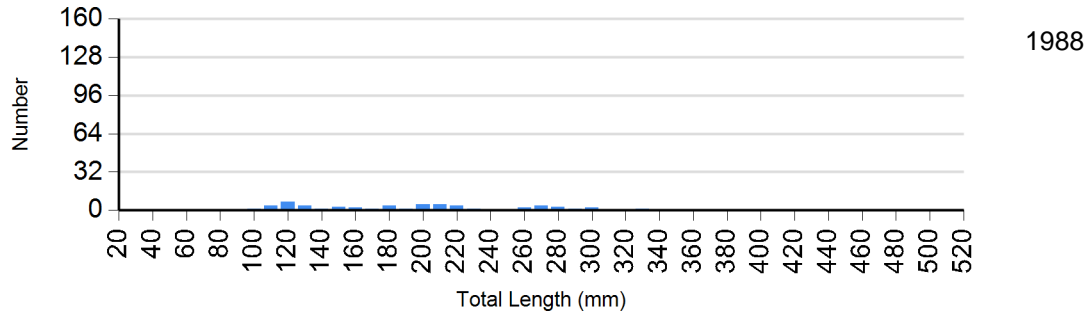


Total Length (mm)

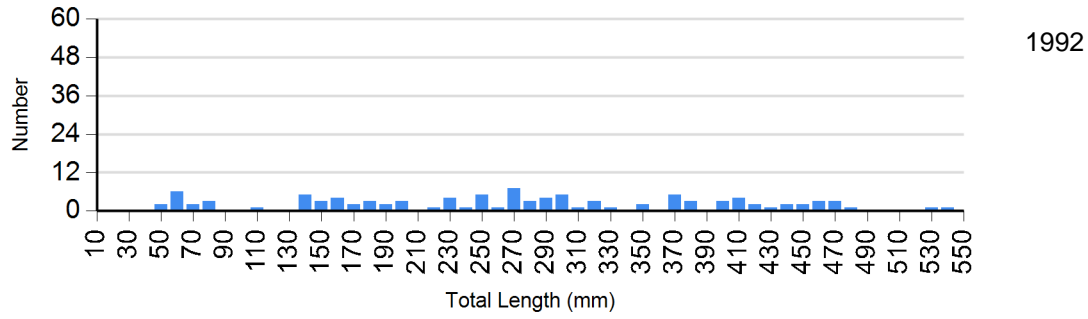
Site: 1843
Species: Brook Trout



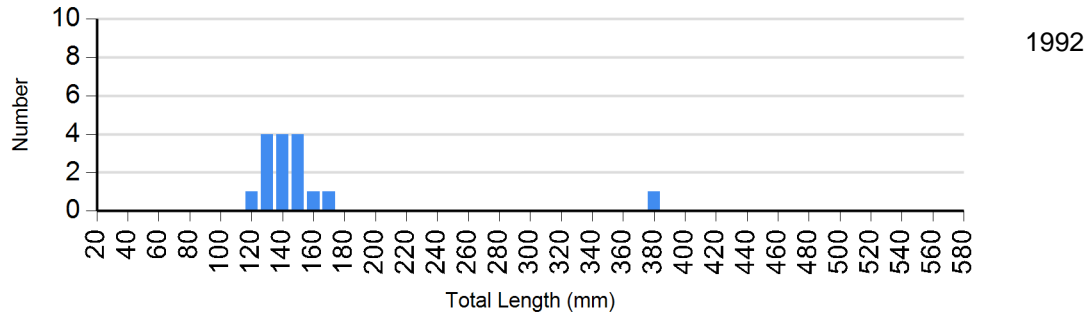
Site: 1843
Species: Brown Trout



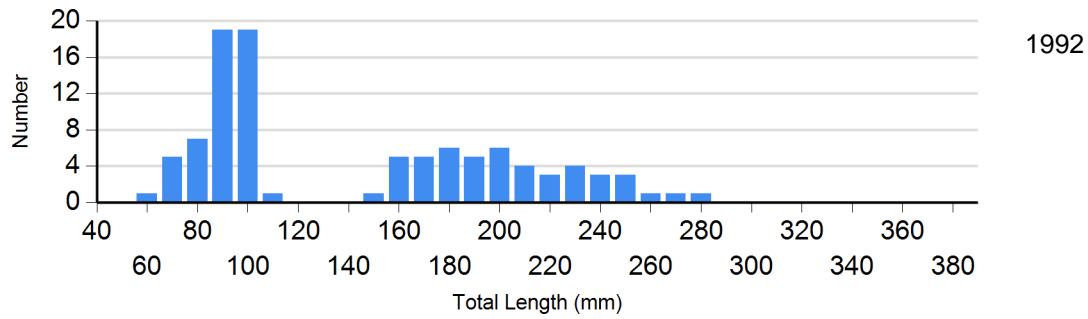
Site: 1853
Species: Brown Trout



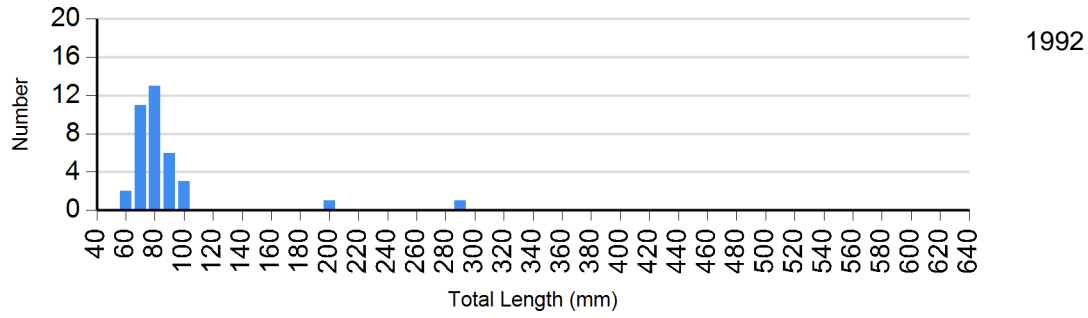
Site: 1853
Species: Rainbow Trout



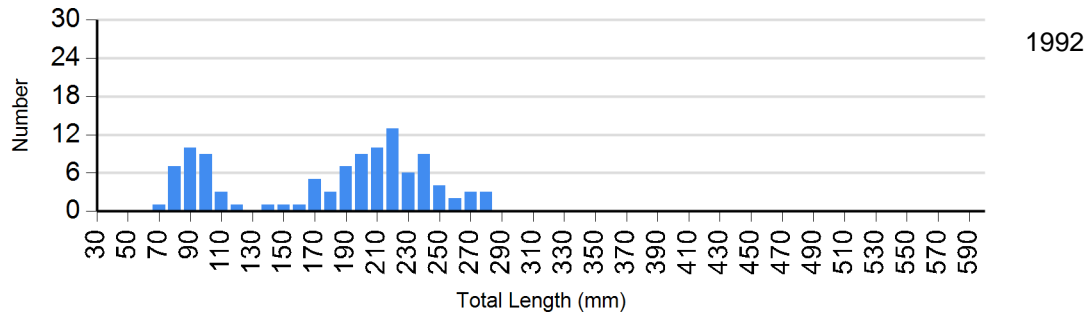
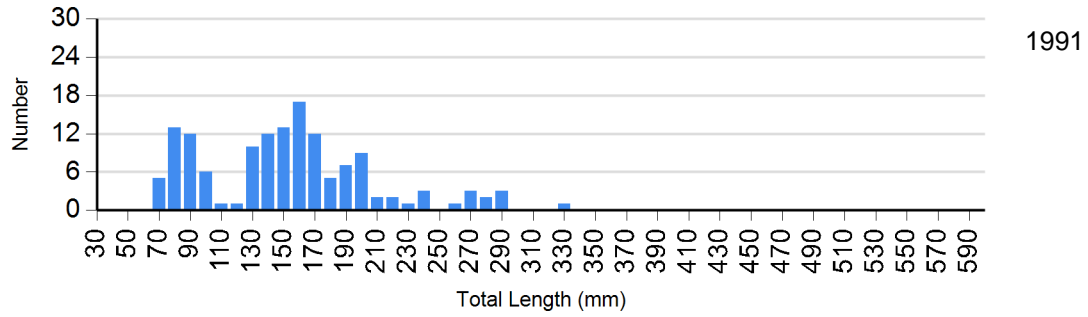
Site: 1930
Species: Brown Trout



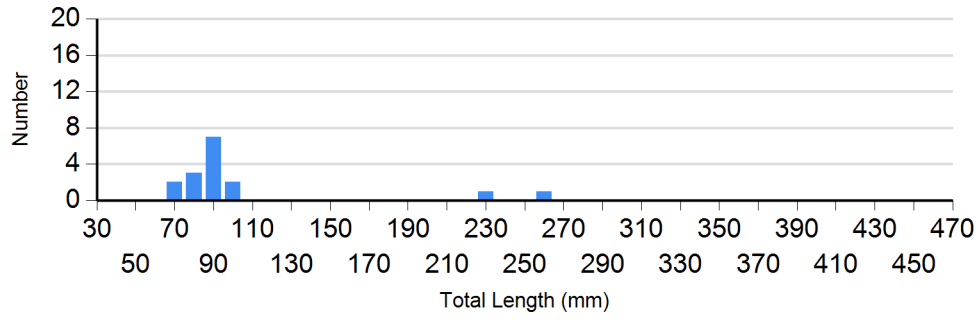
Site: 1930
Species: Rainbow Trout



Site: 1936
Species: Brown Trout

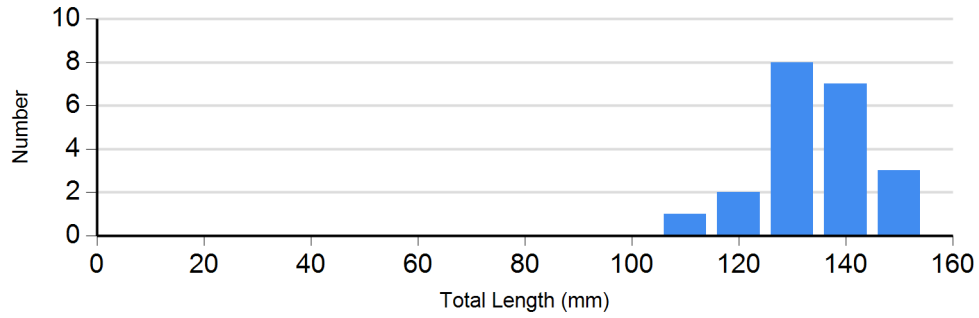


Site: 1936
Species: Rainbow Trout



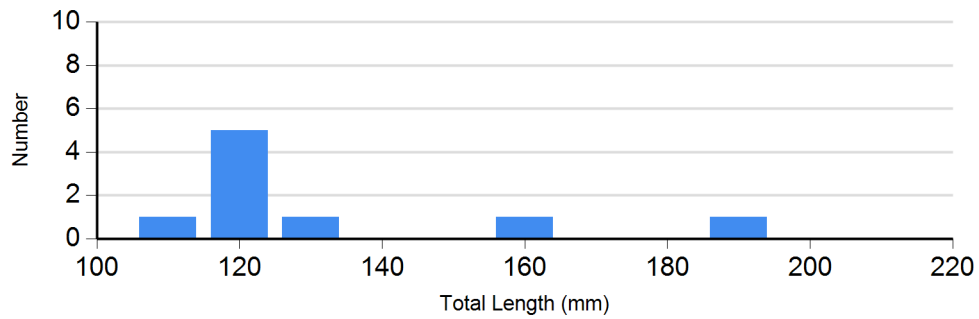
1992

Site: 1936
Species: Rock Bass



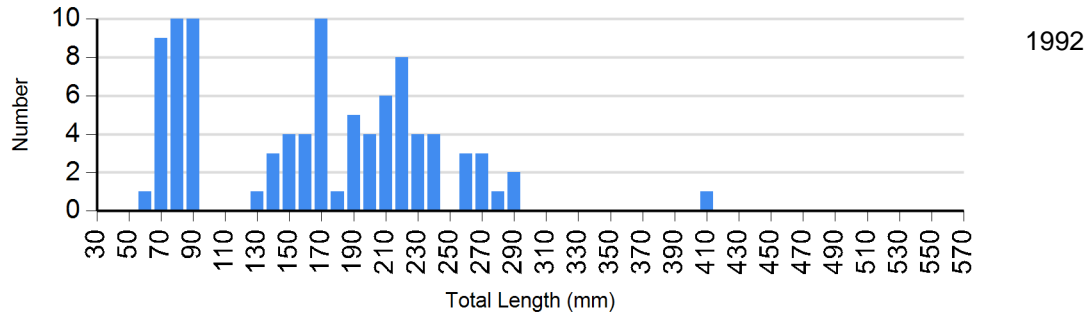
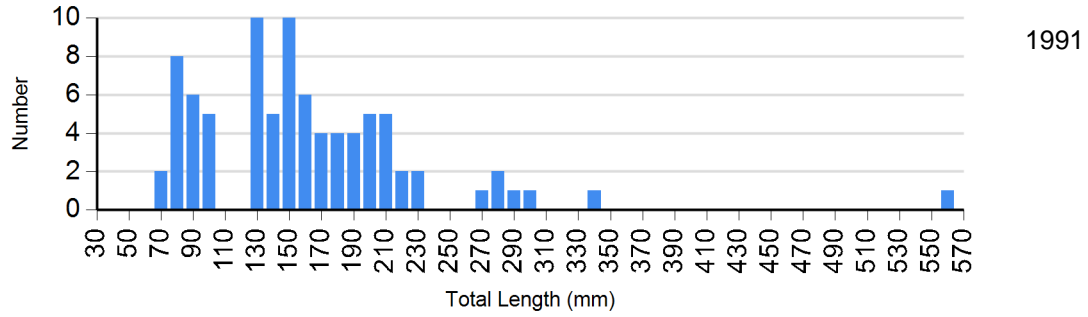
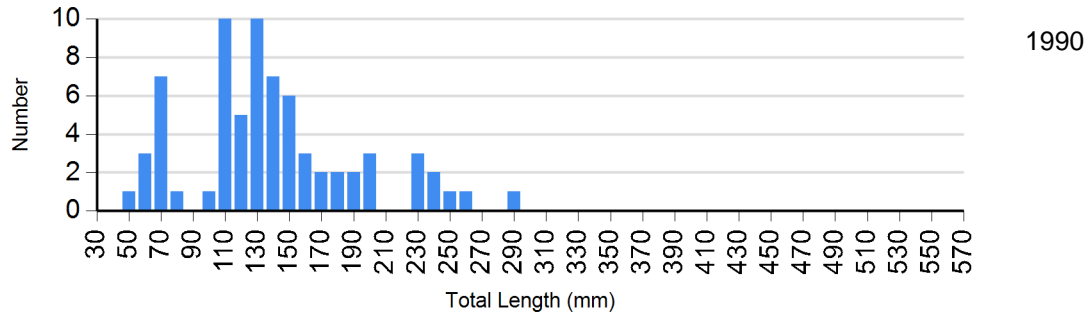
1992

Site: 1936
Species: Splake Trout

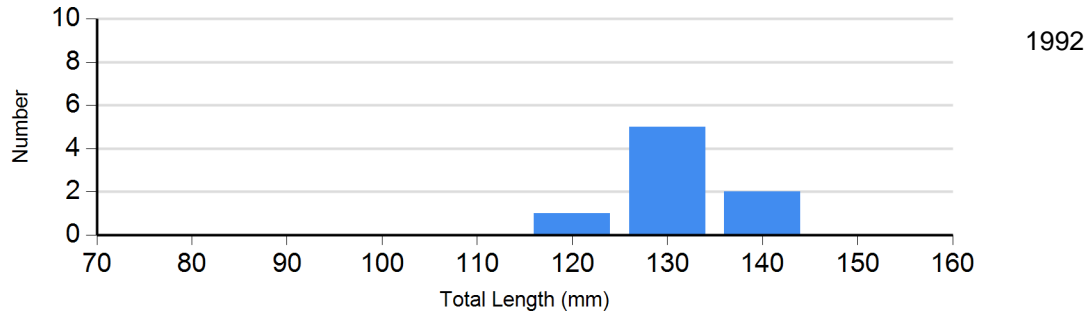


1991

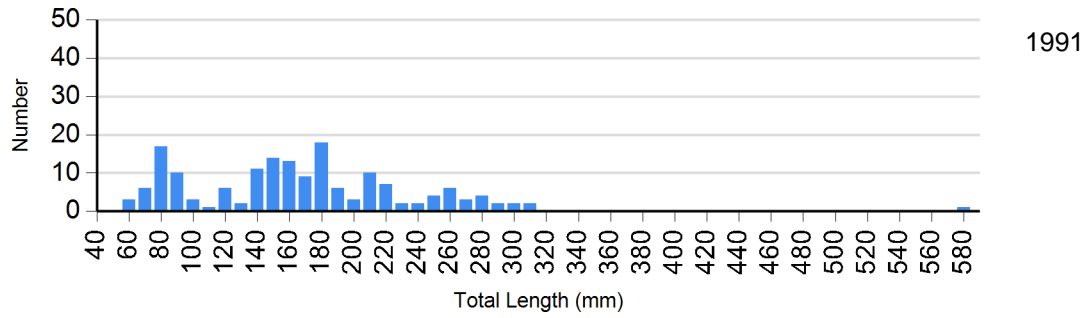
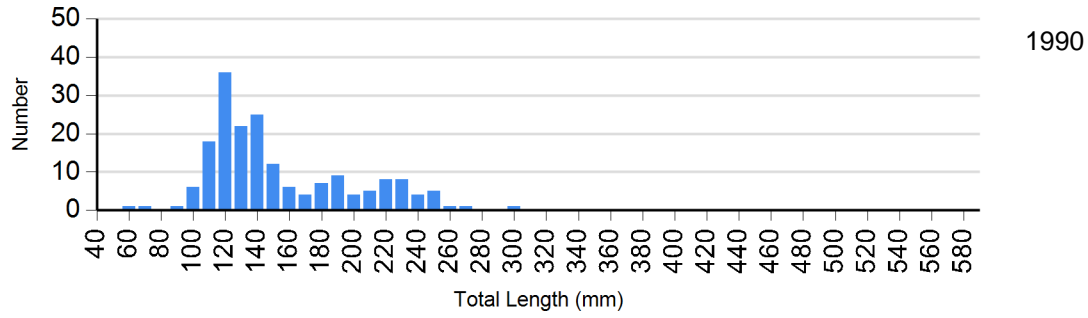
Site: 1952
Species: Brown Trout

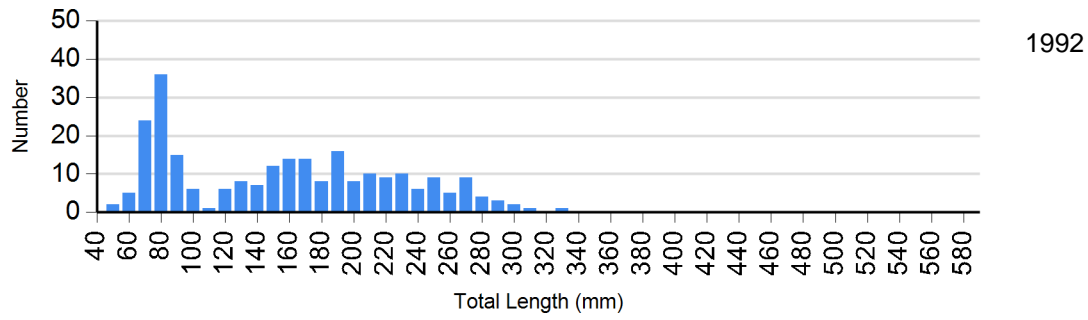


Site: 1952
Species: Rock Bass

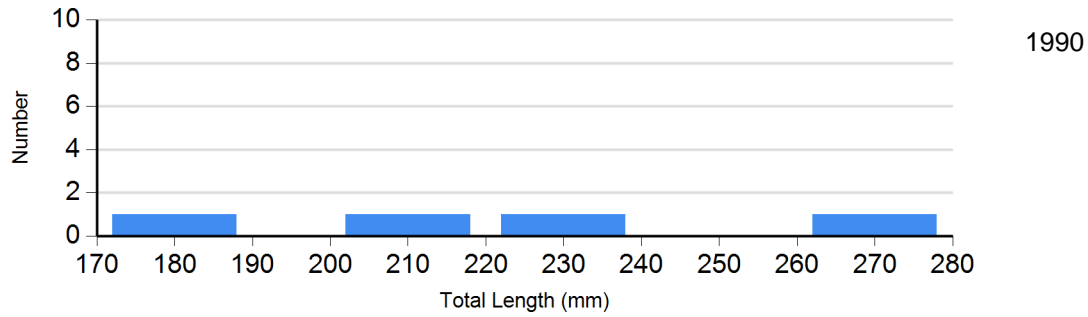


Site: 2007
Species: Brown Trout

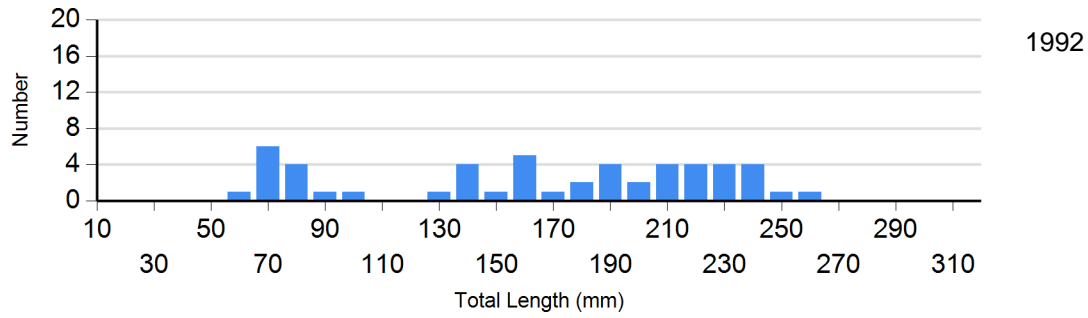




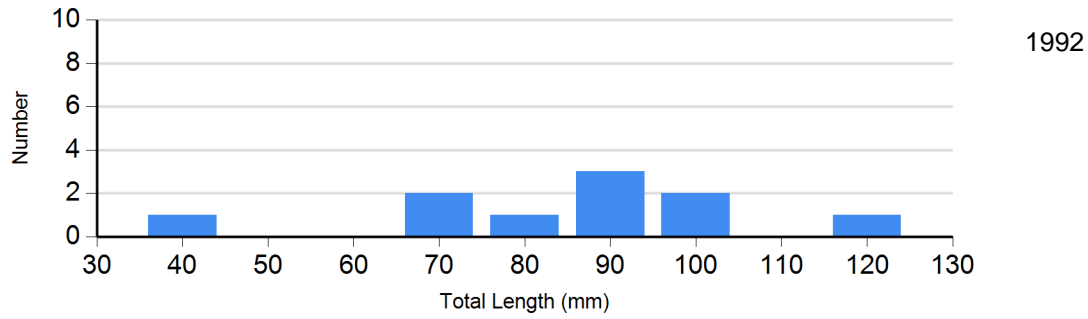
Site: 2007
Species: Cutthroat Trout



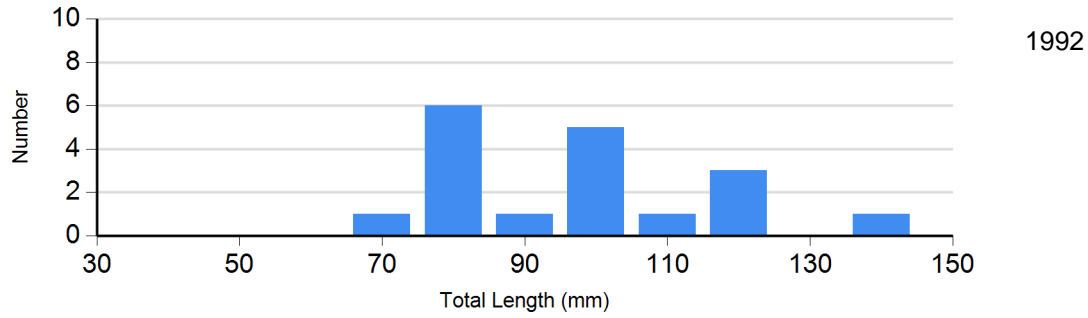
Site: 2100
Species: Brown Trout



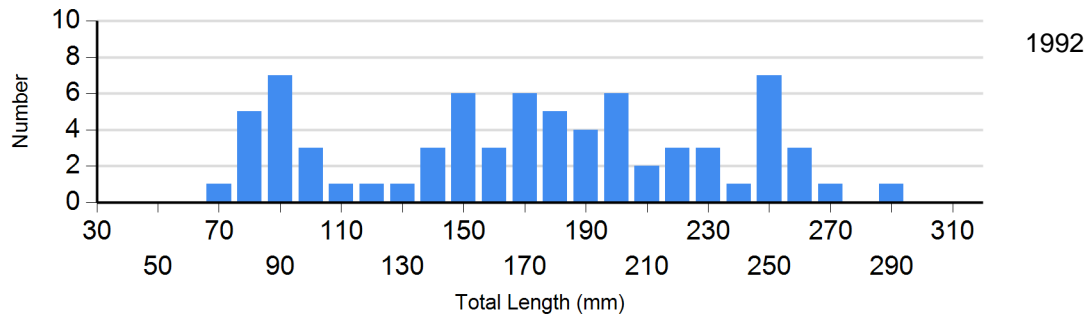
Site: 2100
Species: Mountain Sucker



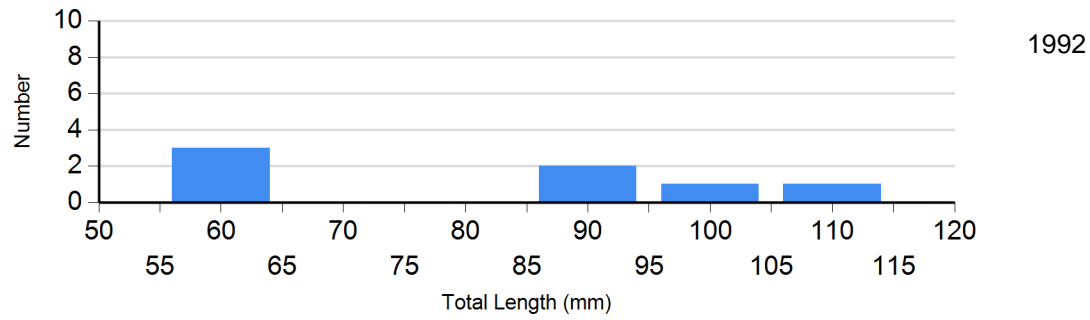
Site: 2100
Species: White Sucker



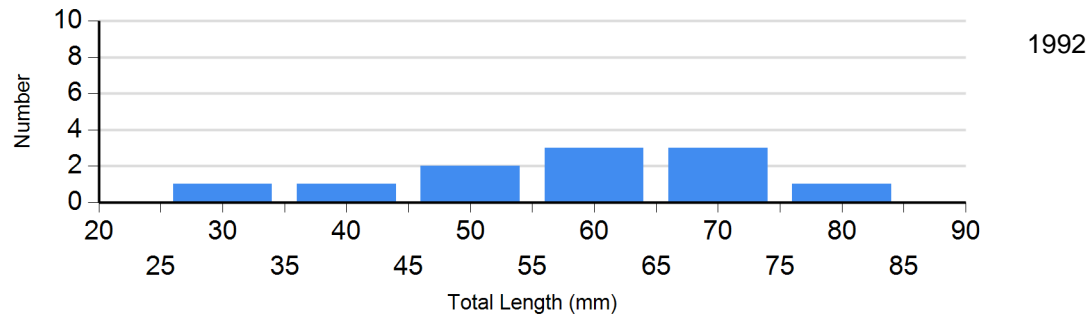
Site: 2133
Species: Brown Trout



Site: 2133
Species: Creek Chub



Site: 2133
Species: Longnose Dace



Site: 2133
Species: White Sucker

